

Allison Chen

636 Randall Way, Aberdeen, NJ 07747 | (848) 468 - 2155 | ac2033@scarletmail.rutgers.edu

EDUCATION

Rutgers University, New Brunswick, NJ

Bachelor of Engineering in Mechanical Engineering

May 2024

- GPA: 3.4

WORK EXPERIENCE

Center for Material Theory, Piscataway, NJ

September 2022 - Present

Center and Website Assistant

- Admin for the Center for Materials Theory website: <https://cmt.rutgers.edu/>
- Installed and maintained the equipment in the Center's conference room

Physics Lecture Hall, Piscataway, NJ

September 2021 - Present

Lab Assistant

- Set up and built demonstrations for physics classes (soldering, disassembling mechanical equipment)
- Assistant for physics demonstration shows and teach physics concepts to the public
- Assisted in the creation of Rutgers Physics Demonstration website: <https://demos.physics.rutgers.edu/>
- Delegated and trained new members of the team

Highline Arena, Matawan, NJ

June 2021 - August 2022

Head Camp Counselor

- Lead groups of 20+ children from ages 4-14 through various physical activities, keeping them engaged within the group at all times
- Created new ideas to keep the children entertained and engaged at all times

RELATED COURSEWORK

• Differential Equations, Eng Mech Dynamics, Eng Mech Statics, Mechanics of Materials, Thermodynamics, Mechatronics

EXTRACURRICULAR ACTIVITIES

Rutgers AIAA - Rocket Propulsion Lab

September 2022 - Present

General Member

- Research methods to improve the design of the bulkhead of rocket
- Work with 3D printers to improve parts for the rocket as well as the 3D printers themselves

Society of Women Engineers

General Member

- Network with fellow female engineers in both social and professional settings

Certificates/Training

Rutgers Environmental & Health Safety

- Online Laboratory Safety Refresher Certificate, Online Biosafety/Bloodborne Pathogens Refresher Certificate, Online Plant and Plant - Related Research Certificate
- Certified in table saw, miter saw, band saw, panel saw, sanders, and drill press
- CNC certified

Skills

- SOLIDWORKS, CAD, Matlab, ANSYS, collaboration, creativity, management, problem-solving